

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("20040062040") or ("20050258446").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 15:40
S1	1	("20060232969").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/08 16:03
S2	4	("20020050958" "20020070914" "20020101362" "6439731").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/10 15:40
S3	5	S1 or S2	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/08 16:03

## EAST Search History

S4	78	(US-20040032569-\$ or US-20030189829-\$ or US-20050243539-\$ or US-20040057234-\$ or US-20040052077-\$ or US-20050152146-\$ or US-20030072153-\$ or US-20030058650-\$ or US-20030048641-\$ or US-20060002142-\$ or US-20060187660-\$ or US-20060007013-\$ or US-20060023448-\$ or US-20060146531-\$ or US-20060092640-\$ or US-20060092639-\$ or US-20060034085-\$ or US-20050237747-\$ or US-20020176250-\$ or US-20050047140-\$ or US-20050018445-\$ or US-20040264195-\$ or US-20030156416-\$ or US-20040233671-\$ or US-20060227554-\$ or US-20040069459-\$).did. or (US-20060098438-\$ or US-20050022978-\$ or US-20060056169-\$ or US-20050051304-\$ or US-20040184272-\$ or US-20060203510-\$ or US-20040050533-\$ or US-20050207165-\$ or US-20060232969-\$ or US-20040213016-\$ or US-20010030866-\$).did. or (US-7055987-\$ or US-6082443-\$ or US-6827134-\$ or US-3971435-\$ or US-5223747-\$ or US-6994152-\$ or US-5785418-\$ or US-5660461-\$ or US-6949772-\$ or US-6717813-\$ or US-6880626-\$ or US-6857767-\$ or US-6910794-\$ or US-4729076-\$ or US-6789921-\$ or US-5119174-\$ or US-4925295-\$ or US-7121692-\$ or US-6843308-\$ or US-6045240-\$ or US-7111963-\$ or US-6490160-\$ or US-6227287-\$ or US-6799864-\$ or US-6428189-\$ or US-6964489-\$). did. or (US-6585039-\$ or US-5960866-\$ or US-5268812-\$ or US-6856037-\$ or US-6375340-\$ or US-6377459-\$ or US-6163073-\$ or US-6437981-\$ or US-5857767-\$ or US-6517218-\$ or US-5528474-\$ or US-7095187-\$ or US-4787737-\$ or US-5465782-\$ or US-3673306-\$). did	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/08 17:15
12/10/2006 3:59:08 PM	C:\Documents and Settings\1Megeon\My Documents\EAST\Workspaces\10 Series\10529675.wsp				Page 2	

## EAST Search History

S5	411	(362/97).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/08 17:15
S6	2007	(362/800).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/08 17:15
S7	2128	(362/294).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/08 17:16
S8	2549	(362/294,373).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/08 17:16
S9	951	(362/231).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/08 17:17
S10	210	(S5 or S6 or S8) and S9	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/08 17:18
S11	198	S10 and (LED or LEDs or (L E D) or (light (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element))))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/08 17:35

## EAST Search History

S12	151	( "20010035922"   "20020006040"   "20030048641"   "4025777"   "4044708"   "4521835"   "4602191"   "4727289"   "4729076"   "4939426"   "4954822"   "4963798"   "4965488"   "4992704"   "5008788"   "5036248"   "5119174"   "5143433"   "5143442"   "5375043"   "5396406"   "5400229"   "5450301"   "5528474"   "5561346"   "5619351"   "5660461"   "5803579"   "5808800"   "5813753"   "5876107"   "5921652"   "6007209"   "6045240"   "6056420"   "6079838"   "6084250"   "6158867"   "6210010"   "6241363"   "6252254"   "6315440"   "6329676"   "6331063"   "6335817"   "6386720"   "6392891"   "6394626"   "6404131"   "6411046"   "6412968"   "6428189"   "6443597"   "6517213"   "6600427"   "6612717"   "6642975").PN. OR ("2003/0072153"   "2006/0023448"   "5008788"   "5752766"   "6799865"   "6857767"   "6883933"   "6923548"   "6964489").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/08 17:49
S13	473	(257/89).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/08 17:49
S14	466	S13 not (S4 or S11 or S12)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/08 18:00
S15	4	("20020050958" "20020070914" "20020101362" "6439731").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/08 18:00

## EAST Search History

S16	143	( "20010035922"   "20020006040"   "20020074557"   "20030048641"   "20030048912"   "20030063463"   "20030072153"   "20030076033"   "20030098460"   "20030112627"   "20040125515"   "20050018424"   "20050178034"   "3940756"   "4044708"   "4077144"   "4241277"   "4394600"   "4573766"   "4602191"   "4937654"   "5008788"   "5059373"   "5119174"   "5375039"   "5426446"   "5471371"   "5478778"   "5528474"   "5550721"   "5632551"   "5659297"   "5660461"   "5719444"   "5739800"   "5746497"   "5806965"   "5808800"   "5857767"   "6007209"   "6045240"   "6116759"   "6158867"   "6175342"   "6210010"   "6238056"   "6283613"   "6331063"   "6390643"   "6392891"   "6394626"   "6402347"   "6428189"   "6480389"   "6517213"   "6600427"   "6612717"   "6642975"   "6652127"   "6813853"   "6831305").PN. OR ("2002/0006040"   "2002/0020845"   "2002/0050958"   "2003/0072153"   "2003/0189829"   "2005/0207165"   "5008788"   "6439731"   "6857767"   "6883933"   "6964489"   "7138659").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/08 18:08
S17	1	("20030052594").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/08 18:17

## EAST Search History

S18	36	(US-20060232969-\$ or US-20010030866-\$ or US-20030048641-\$ or US-20030058650-\$ or US-20030072153-\$ or US-20030189829-\$ or US-20040213016-\$ or US-20040233671-\$ or US-20050207165-\$ or US-20060023448-\$ or US-20020006040-\$ or US-20020020845-\$ or US-20020050958-\$ or US-20030052594-\$).did. or (US-6439731-\$ or US-4729076-\$ or US-5119174-\$ or US-5660461-\$ or US-5528474-\$ or US-5857767-\$ or US-6045240-\$ or US-6375340-\$ or US-6857767-\$ or US-6910794-\$ or US-5008788-\$ or US-5752766-\$ or US-6799865-\$ or US-6883933-\$ or US-6923548-\$ or US-6964489-\$ or US-4992704-\$ or US-6528954-\$ or US-7138659-\$ or US-D405426-\$ or US-3890170-\$ or US-5266817-\$). did.	US-PGPUB; USPAT	ADJ	ON	2006/12/08 18:18
S19	6	S18 and (silicon and aluminum)	US-PGPUB; USPAT	ADJ	ON	2006/12/08 18:18
S20	25	S18 and aluminum	US-PGPUB; USPAT	ADJ	ON	2006/12/08 18:19
S21	4	("20020050958" "20020070914" "20020101362" "6439731").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/10 13:14
S22	1	("20060232969").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 13:14
S23	5	S22 or S21	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/10 13:14
S24	1	("20030052594").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 13:14
S25	2549	(362/294,373).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 13:14

## EAST Search History

S26	2007	(362/800).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 13:14
S27	411	(362/97).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 13:14
S28	951	(362/231).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 13:14
S29	210	(S27 or S26 or S25) and S28	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/10 13:14
S30	198	S29 and (LED or LEDs or (L E D) or (light (emitting or producing or generating or radiating) (diode or diodes or device or devices or element or elements or semiconductor or (semi conductor) or (circuit element))))	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/10 13:14
S31	151	("20010035922"   "20020006040"   "20030048641"   "4025777"   "4044708"   "4521835"   "4602191"   "4727289"   "4729076"   "4939426"   "4954822"   "4963798"   "4965488"   "4992704"   "5008788"   "5036248"   "5119174"   "5143433"   "5143442"   "5375043"   "5396406"   "5400229"   "5450301"   "5528474"   "5561346"   "5619351"   "5660461"   "5803579"   "5808800"   "5813753"   "5876107"   "5921652"   "6007209"   "6045240"   "6056420"   "6079838"   "6084250"   "6158867"   "6210010"   "6241363"   "6252254"   "6315440"   "6329676"   "6331063"   "6335817"   "6386720"   "6392891"   "6394626"   "6404131"   "6411046"   "6412968"   "6428189"   "6443597"   "6517213"   "6600427"   "6612717"   "6642975").PN. OR ("2003/0072153"   "2006/0023448"   "5008788"   "5752766"   "6799865"   "6857767"   "6883933"   "6923548"   "6964489").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/10 13:14

## EAST Search History

S32	78	(US-20040032569-\$ or US-20030189829-\$ or US-20050243539-\$ or US-20040057234-\$ or US-20040052077-\$ or US-20050152146-\$ or US-20030072153-\$ or US-20030058650-\$ or US-20030048641-\$ or US-20060002142-\$ or US-20060187660-\$ or US-20060007013-\$ or US-20060023448-\$ or US-20060146531-\$ or US-20060092640-\$ or US-20060092639-\$ or US-20060034085-\$ or US-20050237747-\$ or US-20020176250-\$ or US-20050047140-\$ or US-20050018445-\$ or US-20040264195-\$ or US-20030156416-\$ or US-20040233671-\$ or US-20060227554-\$ or US-20040069459-\$).did. or (US-20060098438-\$ or US-20050022978-\$ or US-20060056169-\$ or US-20050051304-\$ or US-20040184272-\$ or US-20060203510-\$ or US-20040050533-\$ or US-20050207165-\$ or US-20060232969-\$ or US-20040213016-\$ or US-20010030866-\$).did. or (US-7055987-\$ or US-6082443-\$ or US-6827134-\$ or US-3971435-\$ or US-5223747-\$ or US-6994152-\$ or US-5785418-\$ or US-5660461-\$ or US-6949772-\$ or US-6717813-\$ or US-6880626-\$ or US-6857767-\$ or US-6910794-\$ or US-4729076-\$ or US-6789921-\$ or US-5119174-\$ or US-4925295-\$ or US-7121692-\$ or US-6843308-\$ or US-6045240-\$ or US-7111963-\$ or US-6490160-\$ or US-6227287-\$ or US-6799864-\$ or US-6428189-\$ or US-6964489-\$). did. or (US-6585039-\$ or US-5960866-\$ or US-5268812-\$ or US-6856037-\$ or US-6375340-\$ or US-6377459-\$ or US-6163073-\$ or US-6437981-\$ or US-5857767-\$ or US-6517218-\$ or US-5528474-\$ or US-7095187-\$ or US-4787737-\$ or US-5465782-\$ or US-3673306-\$). did	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/10 13:14
12/10/2006 3:59:08 PM	C:\Documents and Settings\Neuron\My Documents\EAST\Workspaces\10 Series\10529675.wsp				Page 8	

## EAST Search History

S33	473	(257/89).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 13:14
S34	466	S33 not (S32 or S30 or S31)	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/10 13:14
S35	2128	(362/294).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 13:14
S36	36	(US-20060232969-\$ or US-20010030866-\$ or US-20030048641-\$ or US-20030058650-\$ or US-20030072153-\$ or US-20030189829-\$ or US-20040213016-\$ or US-20040233671-\$ or US-20050207165-\$ or US-20060023448-\$ or US-20020006040-\$ or US-20020020845-\$ or US-20020050958-\$ or US-20030052594-\$).did. or (US-6439731-\$ or US-4729076-\$ or US-5119174-\$ or US-5660461-\$ or US-5528474-\$ or US-5857767-\$ or US-6045240-\$ or US-6375340-\$ or US-6857767-\$ or US-6910794-\$ or US-5008788-\$ or US-5752766-\$ or US-6799865-\$ or US-6883933-\$ or US-6923548-\$ or US-6964489-\$ or US-4992704-\$ or US-6528954-\$ or US-7138659-\$ or US-D405426-\$ or US-3890170-\$ or US-5266817-\$). did.	US-PGPUB; USPAT	ADJ	ON	2006/12/10 13:14
S37	6	S36 and (silicon and aluminum)	US-PGPUB; USPAT	ADJ	ON	2006/12/10 13:14

## EAST Search History

S38	143	( "20010035922"   "20020006040"   "20020074557"   "20030048641"   "20030048912"   "20030063463"   "20030072153"   "20030076033"   "20030098460"   "20030112627"   "20040125515"   "20050018424"   "20050178034"   "3940756"   "4044708"   "4077144"   "4241277"   "4394600"   "4573766"   "4602191"   "4937654"   "5008788"   "5059373"   "5119174"   "5375039"   "5426446"   "5471371"   "5478778"   "5528474"   "5550721"   "5632551"   "5659297"   "5660461"   "5719444"   "5739800"   "5746497"   "5806965"   "5808800"   "5857767"   "6007209"   "6045240"   "6116759"   "6158867"   "6175342"   "6210010"   "6238056"   "6283613"   "6331063"   "6390643"   "6392891"   "6394626"   "6402347"   "6428189"   "6480389"   "6517213"   "6600427"   "6612717"   "6642975"   "6652127"   "6813853"   "6831305").PN. OR ("2002/0006040"   "2002/0020845"   "2002/0050958"   "2003/0072153"   "2003/0189829"   "2005/0207165"   "5008788"   "6439731"   "6857767"   "6883933"   "6964489"   "7138659").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/12/10 13:14
S39	25	S36 and aluminum	US-PGPUB; USPAT	ADJ	ON	2006/12/10 13:14
S40	4	("20020050958" "20020070914" "20020101362" "6439731").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	ADJ	ON	2006/12/10 13:14
S41	1	(("20040062040") or ("200502584446")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 15:36
S42	2	(("20040062040") or ("20050258446")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/12/10 15:36